

Olerup SSP® HLA-B*35

Product number: 101.522-24/03 – including *Taq* pol.
101.522-24u/03u – without *Taq* pol.
Lot number: 37N
Expiry date: 2014-August -01
Number of tests: 24 tests – Product No. 101.522-24/24u
3 tests – Product No. 101.522-03/03u
Number of wells per test: 76

CHANGES COMPARED TO THE PREVIOUS HLA-B*35 LOT (07L):

Well	5'-primer	3'-primer	rationale
55	Exchanged	-	Decreased primer oligomer formation.
56	Added	-	5'-primer added for the B*35:158 allele.
61	-	-	Exchanged positive control primer pair.
63	-	Exchanged	Improved specificity of primer pair.
70	Added	-	5'-primer added for the B*35:165N allele.
73	New	New	New primer pair for the B*35:157 allele.
74	New	New	New primer pairs for the B*35:173 and 35:176 alleles.
75	New	New	Improved allelic resolution.
76	New	New	New primer pair for the B*35:161 allele.

THE NUMBER OF WELLS is increased from 72 to 76.

ALLELE COVERAGE:

All the HLA-B*35 alleles, i.e. **B*35:01 to B*35:186**, recognized by the HLA Nomenclature Committee in January 2012¹ will be amplified by the primers in the HLA-B*35 subtyping kit.

The HLA-B*35 kit enables separation of the confirmed HLA-B*35 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources.

The HLA-B*35 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles

The B*35:122 and B*35:123 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 61.

The B*35:132 and B*35:144 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 62.

The B*35:130N and B*35:134N alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 64.

The B*35:131 and B*35:148 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 65.

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The HLA-B*35 subtyping kit cannot distinguish the following silent mutations: the B*35:01:01:01-35:01:03, 35:01:05-35:01:16, 35:01:18-35:01:22, 35:01:24-35:01:27 and 35:01:29, the B*35:02:01-35:02:04, the B*35:03:01, 35:03:03-35:03:06 and 35:03:08-35:03:10, the B*35:04:01-35:04:02, the B*35:05:01-35:05:02, the B*35:08:01-35:08:02 and 35:08:04, the B*35:09:02-35:09:03, the B*35:12:01-35:12:03, the B*35:20:01-35:20:02, the B*35:24:01-35:24:02, the B*35:32:01-35:32:02, the B*35:42:01-35:42:02, the B*35:101:01-35:101:02 or the B*35:108:01-35:108:02 alleles.

¹HLA-B alleles listed on the IMGT/HLA web page 2012-January-12, release 3.7.0, www.ebi.ac.uk/imgt/hla.

RESOLUTION IN HLA-B*35 HOMO- AND HETEROZYGOTES:

The B*35:01,35:01 genotype¹ gives rise to a unique amplification pattern.

¹With the exception of genotypes containing the B*35:01:04 allele.

INFLUENCE ON THE INTERPRETATION OF HLA-B*35 SUBTYPINGS BY NON-HLA-B*35 ALLELES:

The interpretation of HLA-B*35 subtypings is influenced by many other HLA-B alleles.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.